Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/05/2018 09:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123221	-2	1.01	123288	0.97
Blue	F	SSC	125000	125630	0	1.52	126388	1.54
Blue	E	FITC	16596	16119	-3	2.85	349	21.27
Blue	D	PE	29392	28698	-3	1.88	627	15.80
Blue	B	PerCP-Cy5-5	38531	38495	-1	4.17	1169	21.76
Blue	A	PE-Cy7	26351	26693	1	7.30	647	44.20
Red	C	APC	43035	41994	-3	2.77	1576	13.57
Red	A	APC-Cy7	25611	25210	-2	2.80	866	12.87
Violet	B	V450	8803	8593	-3	3.79	471	13.91
Violet	A	V500	32560	31882	-3	3.47	739	10.78

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20362	2.68	604	7	N/A	N/A	Pass
Blue	F	SSC	57028	1.05	572	17	N/A	N/A	Pass
Blue	E	FITC	62	68.71	556	6	0.0173	160	Pass
Blue	D	PE	130	55.17	556	7	0.1496	326	Pass
Blue	B	PerCP-Cy5-5	223	53.45	660	9	0.0082	96	Pass
Blue	A	PE-Cy7	127	107.66	717	12	0.0094	22	Pass
Red	C	APC	371	28.10	603	6	0.0190	83	Pass
Red	A	APC-Cy7	212	29.65	577	6	0.0050	1694	Pass
Violet	B	V450	75	64.17	479	4	0.0515	2475	Pass
Violet	A	V500	110	34.44	489	5	0.0202	636	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.49	-32.20	1.12
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.52
Red	16.07	13.60 - 20.40	N/A	N/A	29.56	29.80	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10255

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments